

L9 ANSWER 19 OF 29 CAPLUS COPYRIGHT 2003 ACS on STN

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TITLE: Oil- and water-repellant material

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PATENT ASSIGNEE(S): Asahi Glass Co., Ltd.

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PATENT INFORMATION:

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DE 2247182	B2	19750807		
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AB The addn. of polymers prepd. from C1-18 alkyl acrylates or methacrylates and methylolacrylamide or methylolmethacrylamide to fluoroalkyl

\*\*\*acrylate\*\*\* polymer oil-and waterproofing agents reduced the finishing costs while providing good oil and water repellency without any adverse effect on hand. Thus, a polymer prepd. from 73%

CH<sub>2</sub>:CHCO<sub>2</sub>CHCH<sub>2</sub>(CF)<sub>n</sub>CF<sub>3</sub> (a 4:3:2:1 mixt. of monomers with n = 4,6,8, and 10), 25% vinyl chloride, and 2% diacetoneacrylamide was mixed with an equal amt. of a 95:5 butyl \*\*\*acrylate\*\*\* -N-methylolacrylamide polymer [27157-48-8] and mixed with water to form an \*\*\*emulsion\*\*\* contg. 1% polymer. A 35:65 cotton-polyester fabric was padded with the

\*\*\*emulsion\*\*\* to provide wet add-on 80% and dried 3 min at 100.deg. and 4 min at 150.deg.. The finished fabric had a soft hand as well as good oil and water repellency.

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